

**Abstract**

A method of easily manufacturing a metal mold able to add an antireflection structure to a lens or the like having a complicated surface shape such as an aspherical lens. The method comprises the steps of forming a silicon dioxide film ( $\text{SiO}_2$ ) film (2) on a curved-surface base substrate (1) formed in a specified shape, etching the silicon dioxide film ( $\text{SiO}_2$ ) film (2) using a resist mask (3) to form a specified shaped antireflection structure pattern, bonding a metal used for the metal mold (4) onto a silicon dioxide film ( $\text{SiO}_2$ ) film (21) on which this antireflection film pattern is formed to transfer the antireflection film pattern onto the metal used for the metal mold (4), and then removing the silicon dioxide film ( $\text{SiO}_2$ ) film to form a metal mold (4a) having an antireflection structure on the curved surface.